

SYSTEM AND METHOD FOR DELIVERING REACTIVE FLUIDS TO REMOTE APPLICATION SITES

ABSTRACT OF THE DISCLOSURE

Reactive fluids that react upon contact and are intended to be combined only at a site of application that is remote or not easily accessible are transported to the site by separate crescent internal gear pumps whose pump rates are governed by a control loop that uses individual mass flow rates and a common automatic controller. In preferred embodiments, a multi-lumen cable is used to convey the pump outputs individually to the application site, and an application head at the distal end of the cable both combines the individual flows and dispenses them to the site. The invention is useful for a variety of reactive systems and applications, but particularly for applying two-component epoxy linings to underground pipes.

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